

Converting Colors

XYZ(29.2858, 30.6343, 33.1061)

Have a look what the booklet for
XYZ(29.2858, 30.6343, 33.1061)
contains.

XYZ(29.3603, 30.6901, 33.2305)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(29.3603, 30.6901,
33.2305)**

Conversions

Conversions Part 1

Format	Color
Hex	989696
RGB	152, 150, 150
RGB Percent	60%, 59%, 59%
CMY	0.4039, 0.4118, 0.4118
CMYK	0.00, 0.01, 0.01, 0.40
HSL	0°, 1%, 59%
HSV	0°, 1%, 60%
XYZ	29.3603, 30.6901, 33.2305
YIQ	150.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

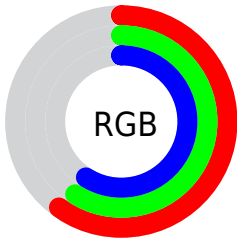
Format	Color
RYB	152, 150, 150
Decimal	10000022
CIELab	62.25, 0.73, 0.25
CIELCh	62, 0.773, 18.897
Yxy	30.6901, 0.3148, 0.3290
Android (android.graphics.Color)	4288190102 (0xFF989696)
YUV	150.5980, -0.2948, 1.2296
Hunter-Lab	55.3986, -2.3458, 3.2144

Details

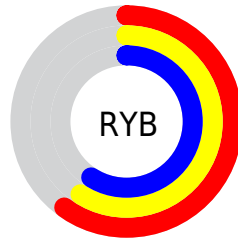
The XYZ color **29.3603, 30.6901, 33.2305** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.4735, 31.2072, 34.1765**, and the grayscale version is **29.2453, 30.7684, 33.5067**.

A 20% lighter version of the original color is **57.9455, 60.6672, 65.7826**, and **12.0808, 12.5912, 13.5980** is the 20% darker color. If you saturate the color by 10%, you get **25.9476, 25.6977, 26.4408**, and if you desaturate by 10%, it is **33.2474, 36.3763, 40.9624**.

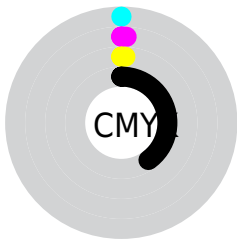
Distribution



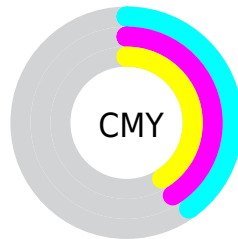
- Red (60%)
- Green (59%)
- Blue (59%)



- Red (60%)
- Yellow (59%)
- Blue (59%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (40%)



- Cyan (40%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3603, 30.6901, 33.2305 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.3603, 30.6901, 33.2305 by changing the saturation by 10% instead.

■ 29.3603, 30.6901,
33.2305

■ 29.3603, 30.6901,
33.2305

290.8748,
305.1081, 331.3509

■ 19.4992, 20.3630,
22.0305

■ 58.0426, 60.7518,
65.8554

■ 12.1377, 12.6592,
13.6808

■ 77.5946, 81.2552,
88.1174

■ 6.9104, 7.1943,
7.7628

101.1076,
105.9195, 114.9038

■ 3.4519, 3.5839,
3.8579

128.9469,
135.1291, 146.6331

■ 1.3970, 1.4436,
1.5477

161.4779,
169.2683, 183.7240

■ 0.2541, 0.2486,
0.2531

199.0660,

■ 0.0000, 0.0000,

208.7217, 226.5949

0.0000

242.0765,
253.8734, 275.6643

■ 29.3603, 30.6901,
33.2305

■ 29.3603, 30.6901,
33.2305

■ 25.9476, 25.6977,
26.4408

■ 33.2474, 36.3763,
40.9624

■ 22.9886, 21.3689,
20.5555

■ 37.6234, 42.7774,
49.6686

■ 20.4651, 17.6769,
15.5370

■ 42.5053, 49.9183,
59.3820

■ 18.3565, 14.5917,
11.3444

■ 47.9086, 57.8217,
70.1333

■ 16.6406, 12.0808,
7.9334

■ 53.8481, 66.5091,
81.9522

■ 15.2932, 10.1088,
5.2557

■ 60.3380, 76.0015,
94.8669

■ 14.2872, 8.6363,
3.2576

■ 66.7591, 85.4155,
107.5760

■ 13.5921, 7.6185,
1.8780

■ 13.1719, 7.0027,
1.0450

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.3674, 30.6901, 33.5271



29.3603, 30.6901, 33.2305



29.3022, 30.6901, 32.9851

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.3603, 30.6901, 33.2305



29.0191, 30.6901, 33.0399



29.1314, 30.6901, 33.9835

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.3603, 30.6901, 33.2305



29.4735, 31.2072, 34.1765

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.0383, 30.6901, 33.8513



29.3603, 30.6901, 33.2305



28.9735, 30.6901, 33.3057

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.3603, 30.6901, 33.2305



29.1051, 30.6901, 32.8755



28.9806, 30.6901, 33.6028



29.2351, 30.6901, 33.9630

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.3603, 30.6901, 33.2305



29.2423, 30.6901, 32.8830



28.9806, 30.6901, 33.6028



29.0978, 30.6901, 33.9554

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.3612, 30.6914, 33.2312



52.6788, 55.4222, 60.3547



29.5233, 30.7556, 34.0867



11.9732, 12.5967, 13.7178



72.9764, 76.7769, 83.6100

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.3612, 30.6914, 33.2312



51.3612, 53.4948, 57.7338



29.5210, 31.0112, 33.2845



6.8035, 7.0930, 7.6617



10.8593, 5.6011, 0.5088



0.1625, 0.0840, 0.0077

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.4735, 31.2072, 34.1765



51.6670, 54.8989, 60.3071



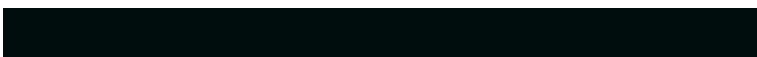
29.3123, 30.8848, 34.1227



6.8402, 7.2612, 7.9700



14.1407, 20.6780, 28.1537



0.2116, 0.3095, 0.4210

Previews

White Background



This preview shows how the XYZ color 29.3603, 30.6901, 33.2305 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.3603, 30.6901, 33.2305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

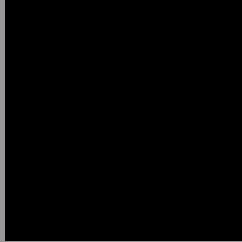
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3603, 30.6901, 33.2305

Background



This preview shows how black text looks on a background with the XYZ color 29.3603, 30.6901, 33.2305.

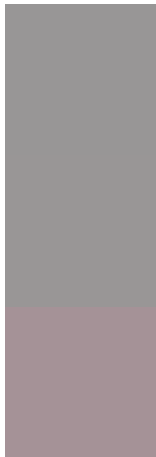


This preview shows how white text looks on a background with the XYZ color 29.3603, 30.6901,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.3603, 30.6901, 33.2305

Protanopia

29.5482, 30.7870, 33.2393

Deuteranopia

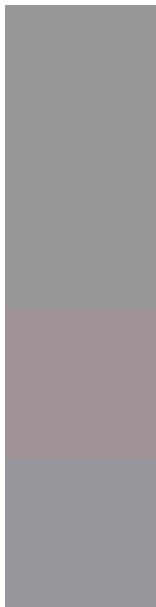
31.3818, 30.7915, 33.5675



Tritanopia

30.2615, 30.5879, 37.5668

Trichromacy



Original Color

29.3603, 30.6901, 33.2305

Protanomaly

29.5482, 30.7870, 33.2393

Deuteranomaly

30.5168, 30.5754, 33.5714

Tritanomaly

29.8851, 30.6675, 35.7968

Monochromacy



Original Color

29.3603, 30.6901, 33.2305

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.4150, 30.9469, 33.7012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3603, 30.6901, 33.2305 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(152, 150, 150)` looks like.

```
.text, #text, p{  
    color:rgb(152, 150, 150)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(152, 150, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 150, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.3603, 30.6901, 33.2305 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 150, 150) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(152, 150, 150) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(152, 150, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 150, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 150, 150);  
box-shadow:4px 4px 4px 4px rgb(152, 150,  
150) }
```


Background

The CSS property to change the background color of an element to XYZ 29.3603, 30.6901, 33.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 150, 150) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(152,  
150, 150) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor